

Application No. 09/930,780
Art Unit: 2154
Response to Office Action mailed
October 22, 2004
Attorney Docket No. 40026XXX2

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

10. (Currently Amended) An electrical power distribution plugstrip of the type for providing power to one or more electrical loads in a vertical electrical equipment rack, the electrical power distribution plugstrip comprising in combination:

A. a vertical strip enclosure having a long thickness, and a length and relatively thin that is longer than a width of the enclosure;

B. a power input penetrating said vertical strip enclosure;

C. a plurality of power outputs disposed along a face of said ~~long~~ length of the strip enclosure, each among the plurality of power outputs being connectable to a corresponding one of said one or more electrical loads;

D. a plurality of power control relays disposed in said vertical strip enclosure, each among said plurality of power control relays being connected to independently control power from said power input to one or more corresponding power outputs among said plurality of power outputs; and

E. a user display disposed on said vertical strip enclosure and adjacent to the plurality of power outputs in information-determining communication with at least one among said power input and said plurality of power outputs, whereby said user display providing information to a user, the a user may observe information being related to the amount of current flowing through at least one among the power input and said plurality of power outputs.

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11. (Previously Presented) The electrical power plugstrip of claim 10 further comprising at least one intelligent power section disposed in the vertical strip enclosure and in which is disposed at least one of the plurality of power control relays.

12. (Previously Presented) The electrical power plugstrip of claim 11 further comprising an external power manager application external to the vertical strip enclosure in network communication with the intelligent power section disposed in the vertical strip enclosure, whereby a user of the external power manager may control power provided to selectable ones of said plurality of power outputs.

13. (Previously Presented) The electrical power plugstrip of claim 10 further comprising a plurality of intelligent power sections disposed in the vertical strip enclosure, each said intelligent power section being in independent communication with at least a corresponding one or more among the plurality of power outputs.

14. (Previously Presented) The electrical power plugstrip of claim 13 further comprising an external power manager application external to the vertical strip enclosure and in network communication with the plurality of intelligent power sections disposed in the vertical strip enclosure, whereby a user of the external power manager may control power provided to selectable ones of said plurality of power outputs.

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15. (Previously Presented) The electrical power plugstrip of claim 10 wherein the user display is in current determining communication with all among the plurality of power outputs through at least one current sensing device.

16. (Previously Presented) The electrical power plugstrip of claim 13 wherein the user display is in current determining communication with all among the plurality of power outputs through at least one current sensing device.

17. (Previously Presented) The electrical power plugstrip of claim 14 wherein the user display is in current determining communication with all among the plurality of power outputs through at least one current sensing device.

18. (Currently Amended) The electrical power plugstrip of claim 11 wherein said intelligent power section [[10]] comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding power output for such one power control relay.

19. (Previously Presented) The electrical power plugstrip of claim 12 wherein said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding power output for such one power control relay.

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20. (Previously Presented) The electrical power plugstrip of claim 13 wherein each said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding one or more power outputs for such one power control relay.

21. (Previously Presented) The electrical power plugstrip of claim 14 wherein each said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding one or more power outputs for such one power control relay.

22. (Previously Presented) The electrical power plugstrip of claim 16 wherein each said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding one or more power outputs for such one power control relay.

23. (Previously Presented) The electrical power plugstrip of claim 17 wherein each said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding one or more power outputs for such one power control relay.

24. (Currently Amended) An electrical power distribution plugstrip of the type for providing power to one or more electrical loads in a vertical electrical equipment rack, the electrical power distribution plugstrip comprising in combination:

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A. a vertical strip enclosure having a ~~long~~ thickness, and a length and relatively thin that is longer than a width of the enclosure;

B. a power input penetrating said vertical strip enclosure;

C. a plurality of power outputs disposed along an area on a face of said ~~long~~ length of the strip enclosure, each among the plurality of power outputs being connectable to a corresponding one of said one or more electrical loads; ~~[[and]]~~

D. a plurality of power control relays disposed in said vertical strip enclosure, each among said plurality of power control relays being connected to independently control power from said power input to one or more corresponding power outputs among said plurality of power outputs; and

E. a digital display disposed on another area of said vertical strip enclosure and adjacent to said plurality of power outputs in information-determining communication with at least one among said power input and said plurality of power outputs, said digital display providing information to a user, the information being related to the amount of current flowing through at least one among the power input and said plurality of power outputs.

25. (Previously Presented) The electrical power plugstrip of claim 24 further comprising at least one intelligent power section disposed in the vertical strip enclosure and in which is disposed at least one of the plurality of power control relays.

26. (Previously Presented) The electrical power plugstrip of claim 25 further comprising an external power manager application external to the vertical strip enclosure in network communication with the intelligent power section disposed in the vertical strip enclosure,

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whereby a user of the external power manager may control power provided to selectable ones of said plurality of power outputs.

27. (Previously Presented) The electrical power plugstrip of claim 24 further comprising a plurality of intelligent power sections disposed in the vertical strip enclosure, each said intelligent power section being in independent communication with at least a corresponding one or more among the plurality of power outputs.

28. (Previously Presented) The electrical power plugstrip of claim 27 further comprising an external power manager application external to the vertical strip enclosure and in network communication with the plurality of intelligent power sections disposed in the vertical strip enclosure, whereby a user of the external power manager may control power provided to selectable ones of said plurality of power outputs.

29. (Previously Presented) The electrical power plugstrip of claim 25 wherein said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding power output for such one power control relay.

30. (Previously Presented) The electrical power plugstrip of claim 26 wherein said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding power output for such one power control relay.

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31. (Previously Presented) The electrical power plugstrip of claim 27 wherein each said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding one or more power outputs for such one power control relay.

32. (Previously Presented) The electrical power plugstrip of claim 28 wherein each said intelligent power section comprises an intelligent power module having at least one of the plurality of power control relays and the corresponding one or more power outputs for such one power control relay.